

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 1    | ("20050257179").PN.  | US-PGPUB;<br>USPAT;<br>JPO                              | OR               | OFF     | 2007/06/15 15:00 |
| S2    | 1    | S1 and (core/pin and rule and pin and attribute and characteristic and class and class-type and inference and datapath and primitive and function and channel and bundl\$3 and orthogonal) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/15 15:00 |
| S3    | 1    | ("20050257179").PN.  | US-PGPUB;<br>USPAT;<br>JPO                              | OR               | OFF     | 2007/06/15 15:04 |
| S4    | 1    | S3 and (orthogonal and (pin adj class) and primitive)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/15 15:15 |
| S5    | 0    | S3 and (pin adj class adj rule)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/15 15:17 |
| S6    | 0    | S3 and (pin adj class adj rule\$2)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/15 15:17 |
| S7    | 1    | S3 and (pin adj rule\$2)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/15 15:17 |
| S8    | 1    | S3 and (pin near3 rule\$2)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/15 15:21 |
| S9    | 1    | S3 and (rule\$2)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/15 15:36 |
| S10   | 0    | S3 and (pin near class near rule\$2)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/06/15 16:58 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S11 | 204    | pin same class same channel  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 17:31 |
| S12 | 2900   | (pin or terminal or port) same class same channel                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 17:32 |
| S13 | 133391 | (bundl\$3 or group\$3 or cluster\$3) near3 (pin or port or terminal) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 17:33 |
| S14 | 587    | S12 and S13  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 17:35 |
| S15 | 569577 | (bundl\$3 same pin or class)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 17:50 |
| S16 | 81     | (bundl\$3 same class same channel)                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 17:50 |
| S17 | 13474  | (bundl\$3 same (class or channel))                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 17:51 |
| S18 | 12     | S14 and S17  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 17:55 |
| S19 | 44652  | pin with (class or channel)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 17:57 |
| S20 | 133391 | (bundl\$3 or group\$3 or cluster\$3) near3 (pin or port or terminal) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 18:02 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S21 | 1153   | S19 and S20                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 18:02 |
| S22 | 1490   | orthogonal same bundl\$3                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 18:02 |
| S23 | 1      | S21 and S22                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 18:02 |
| S24 | 923    | pin same stage same core                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 18:03 |
| S25 | 20784  | (group\$3 or bundl\$3 cluster\$3) with pin | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 18:03 |
| S26 | 73     | S24 and S25                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/15 18:11 |
| S27 | 303741 | (port or pin or terminal) same (channel)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 10:44 |
| S28 | 37008  | (port or pin or terminal) same (index)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 10:44 |
| S29 | 6943   | S27 and S28                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 10:44 |
| S30 | 729    | (core or pin) near2 (rule)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 10:45 |

## EAST Search History

|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S31 | 4      | S29 and S30   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 10:50 |
| S32 | 194448 | (pin or port) same (channel or index)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 10:53 |
| S33 | 8069   | (bundl\$3 or group\$3 or cluster\$3)<br>near3 pin   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 10:53 |
| S34 | 1375   | S32 and S33   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 10:57 |
| S35 | 223    | S34 and rule  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 10:58 |
| S36 | 48     | S35 and (pin same (attribute or<br>characteristic)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/18 11:01 |